

Fifth International Fermi Symposium Program
Monday - October 20, 2014

Plenary 1		Opening Session (Toyoda Auditorium)
8:00-9:10 AM	Registration	
9:10-9:25 AM	Welcome	Hideyo Kunieda
9:25-9:45 AM	Fermi Mission Status and Prospects	Julie McEnery
9:45-10:15 AM	Satio Hayakawa and dawn of high-energy astrophysics in Japan	Jun Nishimura
10:15-10:30 AM	Insights into the particle acceleration of a peculiar gamma-ray radio galaxy IC 310	Julian Sitarek
10:30-11:00 AM	Coffee Break	
Plenary 2		Catalogs and High-Energy Neutrinos (Toyoda Auditorium)
11:00-11:30 AM	Overview of the Fermi-LAT catalogs	Elisabetta Cavazzuti
11:30 AM -12:00 PM	High-Energy Neutrinos in Light of Fermi-LAT	Markus Ahlers
12:00-12:15 PM	A Catalog of Fermi-LAT Sources detected above 50 GeV	Marco Ajello
12:15-12:30 PM	Characterizing the long term variability of radio-optical and GeV emission from PG 1553+113 with a 6-year Fermi LAT monitoring	Stefano Ciprini
12:30-12:35 PM	A thin homogeneous telescope and polarimeter as the post-Fermi mission ?	Phillipe Gros
12:35-12:40 PM	All Sky Survey with an Electron-Tracking Compton and Pair-Tracking Camera using a Gaseous Time Projection Chamber	Atsushi Takada
12:40-12:45 PM	GRAINE project, high resolution imaging and polarization sensitive gamma-ray observation with balloon-borne large aperture emulsion telescope	Satoru Takahashi
12:45-2:30 PM	Lunch	
Plenary 3		Galactic Sources (Toyoda Auditorium)
2:30-3:00 PM	Fermi on the Origin of the Cosmic Radiation: Gamma-ray Observations of Supernova Remnants	Jack Hewitt
3:00-3:30 PM	Multiwavelength studies of gamma-ray supernova remnants	Aya Bamba
3:00-3:15 PM	5 Year monitoring of variable X-ray sources	Nobuyuki Kawai
3:15-3:30 PM	Strong evidence of cosmic ray acceleration in SNRs with Fermi-LAT data	Francesco Giordano
3:30-4:00 PM	Coffee Break	
Plenary 4		Particle Acceleration (Toyoda Auditorium)
4:00-4:30 PM	Particle acceleration within our atmosphere	Joe Dwyer
4:30-4:45 PM	GeV Photon Emission from Blazars with the Stochastic Electron Acceleration	Katsuaki Asano
4:45-5:00 PM	Generation of pair plasma and emission of gamma-rays in pulsars: a modern view	Andrey Timokhin
5:00-5:15 PM	Fermi-LAT measurement of cosmic-ray electron spectrum with Pass 8	Carmelo Sgro
5:15-5:30 PM	Shedding new light on the Sun with the Fermi LAT	Nicola Omodei

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Plenary 5	Galactic Transients (Toyoda Auditorium)	
9:00-9:30 AM	Multiwavelength observations of mass ejection in nova outbursts	Tommy Nelson
9:30-10:00 AM	High-Energy Emissions from PSR B1259-63/LS 2883 Through the 2014 Periastron Passage	Thomas Tam
10:00-10:15 AM	H.E.S.S. Observations of the Large Magellanic Cloud	Nukri Komin
10:15-10:30 AM	The Magellanic Clouds: Galactic science outside the Milky Way	Pierrick Martin
10:30-11:00 AM	Coffee Break	
Plenary 6	Pulsars I (Toyoda Auditorium)	
11:00-11:30 AM	The State of Magnetars	Chryssa Kouveliotou
11:30-11:45 AM	Neutron star asteroseismology with magnetar bursts	Anna Watts
11:45 AM-12:00 PM	New pulsars detected in gamma rays with the Fermi-LAT	Helene Laffon
12:00-12:15 PM	Discovery of an ultracompact gamma-ray millisecond pulsar binary candidate	Albert Kong
12:15-12:30 PM	Fermi Variability Study of the Candidate Pulsar Binary 2FGL~J0523.3-2530	Zhongxiang Wang
12:30-12:35 PM	BurstCube: A Gamma-ray Burst Detecting Swarm of CubeSats	Jeremy Perkins
12:35-12:40 PM	Development of a micro-satellite TSUBAME for X-ray polarimetry of GRBs	Shin Kurita
12:40 PM --	Free Afternoon or Tours	
	MHI tour (for those signed up)	
2:00 PM	Leave Nagoya University	
3:00 PM	Arrive at MHI Tobishima Plant	
4:30 PM	Leave MHI Tobishima Plant	
5:00 PM	Drop off at Kanayama station	
5:30 PM	Arrive at Nagoya University	
	HPK tour (for those signed up)	
1:30 PM	Leave Nagoya University	
3:00 PM	Arrive at HPK Central Laboratory	
4:30 PM	Leave HPK Central Laboratory	
6:40 PM	Arrive at Nagoya University	

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Plenary 7 Pulsars II (Toyoda Auditorium)				
9:00-9:30 AM	Young Pulsars and Fermi: A Match Made in the Heavens			Matthew Kerr
9:30-10:00 AM	Millisecond pulsar gamma-ray emission: a sign of binary interaction?			Anne Archibald
10:00-10:15 AM	Understanding the geometry of radio-loud gamma-ray pulsars			Simon Johnston
10:15-10:30 AM	TeraelectronVolts pulsed emission from the Crab detected by MAGIC			Roberta Zanin
10:30-11:00 AM	Coffee Break			
Plenary 8 Diffuse Emission and Cosmic Rays (Toyoda Auditorium)				
11:00-11:15 AM	The Spectrum and Morphology of the Fermi Bubbles			Anna Franckowiak
11:15-11:30 AM	Update on the Fermi Bubbles: Multi-wavelength Observations			Meng Su
11:30-11:45 AM	Fermi-LAT observations of interstellar clouds in the halo of the Milky Way - Implications for the origin and propagation of Galactic cosmic rays			Luigi Tibaldo
11:45 AM -12:00 PM	The Fermi-LAT model of interstellar emission			Jean-Marc Casandjian
12:00-12:15 PM	Observations of High-Energy Gamma-Ray Emission Toward the Galactic Center			Simona Murgia
12:15-12:30 PM	The Characterization of the Gamma-Ray Signal from the Central Milky Way			Tim Linden
12:30-12:35 PM	Wide-Field MAXI: soft X-ray transient monitor			Makoto Arimoto
12:35-12:40 PM	Pathfinder flight of the Polarized Gamma-ray Observer (PoGOLite) in 2013			Takafumi Kawano
12:40-2:00 PM	Lunch			
Parallel 9 Galactic (Noyori Conference Hall)		Diffuse and Dark Matter (Toyoda Auditorium)		
2:00-2:15 PM	Fermi-LAT Observation of Extended Gamma-ray Emission from the G25.0+0.0 Region	Junichiro Katsuta	Dark matter annihilation cross section constraints from the cross-correlation of cosmic shear and extragalactic gamma-ray background	Masato Shirasaki
2:15-2:30 PM	The First Fermi-LAT SNR Catalog: Multiwavelength Context and CR Energetics	Terri Brandt	Anisotropies in the gamma-ray sky	Fiorenza Donato
2:30-2:45 PM	X-raying the Gamma-Ray Sky	Eugenio Bottacini	Composition of the Isotropic diffuse gamma-ray background and dark matter constraints.	Mattia Di Mauro
2:45-3:00 PM	Highlights from the New Catalog of Type 1 X-ray Bursts Detected in GBM	Pete Jenke	The VERITAS Dark Matter Program	Benjamin Zitzer
3:00-3:15 PM	Superorbital variability of LSI +61_ 303 at different wave bands	Daniela Hadasch	Interstellar Emission: now in 3D	Gudlaugur Johannesson
3:15-4:00 PM	Coffee Break + Poster Session			
Parallel 10 Pulsars III (Noyori Conference Hall)		Analysis (Toyoda Auditorium)		
4:00-4:15 PM	Study of luminosity and spin-up relation in binary X-ray pulsars with long-term monitoring by MAXI/GSC and Fermi/GBM.	Mutsumi Sugizaki	Performance of Pass 8 event analysis of the Fermi Large Area Telescope	Philippe Bruel

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4:15-4:30 PM	Pulsar Emission above the Spectral Break - A Stacked Approach	Andrew McCann		
4:30-4:45 PM	Detection pulsed >50GeV emissions from the Vela pulsar with Fermi	Jumpei Takata	The GeV excess shining through: background systematics for the Inner Galaxy analysis	Francesca Calore
4:45-5:00 PM	Detection of VHE Bridge emission from the Crab pulsar with the MAGIC telescopes	Takayuki Saito	Sharper Fermi LAT Images	Stephen Portillo
5:00-5:15 PM	The gamma-ray emission from transitional pulsars	Diego Torres	Systematically characterizing regions of the First Fermi- LAT SNR Catalog	Francesco de Palma
5:15-5:30 PM	X-ray Studies of Redbacks	Mallory Roberts	A modified likelihood procedure for dark matter searches	Alex Drlica-Wagner

Banquet

6:00 PM	Depart Nagoya University
6:30 PM	Arrive at Atsuta Shrine (No bus for return)

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Thursday - October 23, 2014

Plenary 11		AGN I (Toyoda Auditorium)	
9:00-9:30 AM	Gamma-ray observations of AGN		Masaaki Hayashida
9:30-10:00 AM	Theoretical aspects of gamma-ray emitting AGN in the Fermi Era		Anita Reimer
10:00-10:15 AM	Rapid TeV and GeV Variability in AGNs as Result of Jet-Star Interaction.		Maxim Barkov
10:15-10:30 AM	Rapid Gamma-ray Variability of FSRQs and the Implications for Emission Mechanism		Shinya Saito
10:30-11:00 AM	Coffee Break		
Plenary 12		AGN II + GRBs (Toyoda Auditorium)	
11:00-11:15 AM	Broadband Spectral Modeling of NGC 253 from Hard X-rays to TeV Gamma Rays		Toni Venters
11:15-11:30 AM	The Third LAT AGN Catalog		Benoit Lott
11:30-11:45 AM	Detection by the MAGIC telescopes of the farthest very high energy gamma-ray source, S3 0218+35, thanks to its delayed gravitationally lensed emission		Daniel Mazin
11:45 AM-12:00 PM	The spectrum of isotropic diffuse gamma-ray emission between 100 MeV and 820 GeV		Markus Ackermann
12:00-12:30 PM	Gamma-Ray Bursts in the Fermi Era		Jonathan Granot
12:30-12:35 PM	The GAMMA-400 Space Mission		Paolo Cumani
12:35-12:40 PM	PANGU: a High Resolution Gamma-Ray Space Telescope		Meng Su
12:40-2:00 PM	Lunch		
Parallel 13		GRBs & Solar (Noyori Conference Hall)	AGN III (Toyoda Auditorium)
2:00-2:15 PM	To Synchrotron or Not To Synchrotron?	Michael Burgess	Mrk421 and Mrk501 as high-energy physics laboratories to study the nature of blazars
2:15-2:30 PM	Observations of the Extraordinarily Bright, Long, Nearby GRB 130427A	Judy Racusin	Suzaku and Fermi Observations of Gamma-Ray Bright Radio Galaxies: Origin of the X-ray Emission and Broad-Band Modeling
2:30-2:45 PM	Towards a Better Understanding of the GRB Phenomenon: a New Model for GRB Prompt Emission and its Effects on the New Luminosity-Hardness Relation	Sylvain Guiriec	Missing Gamma-Rays from kpc-scale AGN Jets: A test of the IC/CMB model
2:45-3:00 PM	Precursors in Fermi-LAT and GBM GRBs	Sylvia Zhu	Suzaku X-Ray Monitoring of Gamma-Ray-Emitting Radio Galaxy, NGC 1275
3:00-3:15 PM	Analysis of the Impulsive Phase of Solar Flares with Pass 8 data	Rachele Desiante	A strong radio brightening at the jet base of M87 during the elevated very-high-energy gamma-ray state in 2012
3:15-4:00 PM	Coffee Break+ Poster Session		
Parallel 14		Galactic Center (Noyori Conference Hall)	AGN IV (Toyoda Auditorium)

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4:00-4:15 PM	Enhanced Searches for Gamma-ray Pulsars in the Galactic Center Region	Pablo Saz Parkinson	VERITAS Observations of Very High Energy Blazars and the Potential for Cosmological Insight	Amy Furniss
4:15-4:30 PM	Dark matter annihilation in the Galactic Center	Dan Hooper	The Extragalactic sky with the High Energy Stereoscopic System	David Sanchez
4:30-4:45 PM	The nature of GeV Galactic Center excess emission: options and their testability	Gabrijela Zaharijas	Significant correlations between cm/mm/sub-mm radio and gamma ray variability in Fermi bright blazars	Stefan Larsson
4:45-5:00 PM	Extracting the unresolved pulsar contribution to the gamma-ray background	Savvas Koushiappas	Stochastic modeling of the Fermi/LAT blazar variability	Malgorzata Sobolewska
5:00-5:15 PM	Robust identification of the GeV Galactic center excess at higher latitudes	Christoph Weniger	FACT - Monitoring of Blazars at Very High Energies	Daniela Dorner
5:15-5:30 PM	The inner Milky Way's extended gamma-ray excess: evidence of self-annihilating dark matter?	Anna Kwa	Shot Analysis of Kepler Blazar W2R 1926+42	Mahito Sasada

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Friday - October 24, 2014

Plenary 15	GRBs (Toyoda Auditorium)	
9:00-9:30 AM	Fermi GBM Gamma-ray Bursts for Multi-wavelength and Multi-messenger Observations	Michael Briggs
9:30-10:00 AM	Prospects for Gravitational-wave Observations Associated with Gamma-ray Bursts	
10:00-10:15 AM	The first 100 LAT Gamma-Ray Bursts: a new detection algorithm and Pass 8	Giacomo Vianello
10:15-10:30 AM	Varying faces of photospheric emission in gamma-ray bursts	Magnus Axelsson
10:30-11:00 AM	Coffee Break	
Plenary 16	GRB, PBH, EGB (Toyoda Auditorium)	
11:00-11:15 AM	Hints of the jet composition in gamma-ray bursts from dissipative photosphere models	Peter Veres
11:15-11:30 AM	Modeling the high-energy gamma-ray data of Fermi/LAT GRBs	Xiang-Yu Wang
11:30 AM-12:00 PM	Primordial Black Holes	Jane MacGibbon
12:00-12:30 PM	Cosmic Gamma-ray Background Radiation	Yoshi Inoue
12:30-2:00 PM	Lunch	
Plenary 17	Dark Matter (Toyoda Auditorium)	
2:00-2:30 PM	Indirect Dark Matter Searches with the Fermi Large Area Telescope	Matt Wood
2:30-2:45 PM	A Search for Dark Matter Annihilation in Dwarf Spheroidal Galaxies with Pass 8 Data	Brandon Anderson
2:45-3:00 PM	Updated Spectral Line Search and Status of 133 GeV Feature with Pass 8 Data	Andrea Albert
3:00-3:15 PM	Search for gamma-ray line signatures with H.E.S.S.II	Christian Farnier
3:15-3:30 PM	Improved limits on sterile neutrino dark matter from full-sky observations by the Fermi-GBM	Shunsaku Horiuchi
3:30-4:00 PM	Coffee Break	
Plenary 18	Summary and Future Prospects (Toyoda Auditorium)	
4:00-4:30 PM	The ASTRO-H X-ray Astronomy Satellite and Fermi	Tad Takahashi
4:30-5:00 PM	Closing/Summary	Eric Charles